

Contents

1.	Introduction to the Evolution of Teaching and Learning Paradigms	1
	<i>Raymond A. Tedman and Debra K. Tedman</i>	
2.	Why Designers cannot be Agnostic about Pedagogy: The Influence of Constructivist Thinking in Design of e-Learning for HE	7
	<i>Miguel Baptista Nunes and Maggie McPherson</i>	
3.	Problem-Based Learning in an e-Learning Environment: A Case Study at Griffith University School of Medicine	31
	<i>Raymond A. Tedman, Heather Alexander, and Robert Loudon</i>	
4.	Educational Ontologies Construction for Personalized Learning on the Web	47
	<i>Apple Wai Ping Fok and Horace Ho Shing Ip</i>	
5.	Sequencing in Web-Based Education: Approaches, Standards and Future Trends	83
	<i>Sergio Gutiérrez and Belardo Pardo</i>	
6.	From Dungeons to Classrooms: The Evolution of MUDs as Learning Environments	119
	<i>Brian M. Slator, Otto Borchert, Lisa Brandt, Harold Chaput, Kellie Erickson, Gabriel Groesbeck, Jacob Halvorson, Justin Hawley, Guy Hokanson, Dan Reetz, and Brad Vender</i>	
7.	The Development of an Approach to Learning Within the Middle Schooling Paradigm	161
	<i>Debra Tedman</i>	
8.	Applying Data Mining Techniques to e-Learning Problems	183
	<i>Félix Castro, Alfredo Vellido, Àngela Nebot, and Francisco Mugica</i>	

9.	Data Mining of Virtual Campus Data.....	223
	<i>Alfredo Vellido, Félix Castro, Terence A. Etchells, Ángela Nebot, and Francisco Mugica</i>	
10.	Technology and Pedagogy – How to Learn Technique	255
	<i>Riitta Penttinen and Sari Minkkinen</i>	
11.	Authoring and Management Tools for Adaptive Educational Hypermedia Systems: The AHA! Case Study	285
	<i>Paul De Bra, Natalia Stash, David Smits, Cristóbal Romero, and Sebastián Ventura</i>	

Evolution of Teaching and Learning Paradigms in
Intelligent Environment

Tedman, R.A.; Tedman, D.K. (Eds.)

2007, VIII, 308 p. 57 illus., Hardcover

ISBN: 978-3-540-71973-1